



Fw: Rico-Argentine Mine - Water Treatment Alternatives Evaluation: Status Update. Summary from 10/30/12 - Records Center
Amelia Piggott to: Rodney Vargas

11/30/2012 10:21 AM

Rodney,

Attached please find an email, two pdfs, and a coding sheet for the Rico-Argentine site file. Please let me know if you have questions or need more information.

Thanks!

ap

Amelia Piggott
Enforcement Attorney
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SUPERFUND DOCUMENT CODING SHEET 11.30.12releasable.docx
---- Forwarded by Steven Way/R8/USEPA/US on 11/29/2012 01:24 PM ----

From: "Archer, Spencer" <Spencer.Archer@amec.com>
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Date: 11/05/2012 10:19 PM
Subject: RE: Rico-Argentine Mine - Water Treatment Alternatives Evaluation: Status Update. Summary from 10/30/12

All,

The purpose of this email is to document the conference call held on Tuesday, October 30, 2012.

Attendees: Steve Way (U.S. EPA), Jan Christner (URS), Sandy Riese (EnSci), Jerry Johnson (Atlantic Richfield), Chris Sanchez (AECI), Marc Lombardi (AMEC), Matt Morley (AMEC), Spencer Archer (AMEC)

Summary of Discussion

1. 517 Shaft Injection Test
 - a. Status Update

- i. Increased the injection rate of 23.5% potassium carbonate (K_2CO_3) from approximately 0.3 gallons per minute (gpm) to 0.6 gpm 10/24/12.

- ii. Continued the addition of carrier water from Silver Creek at approximately 25 gpm.

1. Approximately 16,000 gallons of 23.5% K_2CO_3 solution (39,000 pounds) have been injected since startup on 9/26/12.
2. No system upsets to report.
 - iii. Summary of in-tunnel activities completed

last week:

1. 517 Shaft
 - a. Encountered ice on the cable of the pH and conductivity probes.
 - b. Removed ice and ran a vertical water quality profile with pH and conductivity to approximately 70 feet below the water surface. The water column was relatively homogenous.
 - c. The pH and conductivity probes were not re-deployed.
 2. Blaine
 - a. Performed photo documentation and water depth measurements (see attached photo log).
 - b. Installed pressure transducer in-by of the cofferdam.
 - iv. Discussed Blaine flume.
 1. Discussed modifications (i.e. moving or lowering) the flume berm.
 - a. The pool in-by of the flume berm does not appear to be rising. The pool out-by of the flume berm continues to rise.
 - b. The Rico Project Team decided that modifying the berm would be problematic and is not necessary at this time.
 - c. The location of a future berm to monitor the flow down the Humboldt Drift will be evaluated as part of this weeks in-tunnel work.
 - b. Review Data Trends
 - i. The attached trends were sent out prior to the call and were briefly summarized during the call.
 1. Trends appear to be relatively stable.
 - c. Discuss Plan for Continuing the Injection Test
 - i. Alt agreed to continue the injection of 23.5% K_2CO_3 at 0.6 gpm while continuing to pump approximately 25 gpm from Silver Creek as a carrier stream.
 - ii. Alt agreed to the addition of caustic (25% NaOH). This will be implemented later this week.
 - iii. Plan to complete the injection test on 11/7/12.
 - iv. The following action items were identified during the call:
 1. Evaluate the use tracers in the two Blaine pools.
2. Constructed Wetland Pilot Scale Test
 - a. Status Update

- i. *Plan for this week includes:*
 - 1. *Backfilling pipes from the inlet flow control structure.*
 - 2. *Start electrical work.*
 - 3. *Continue watering the wetland with Pond 11 effluent daily.*
- ii. *Plan for next week includes:*
 - 1. *Install pole and power drop.*
- iii. *Currently evaluating potential issue with total suspended solids (TSS) in Pond 11 effluent.*
 - 1. *Based on analytical data TSS does not appear to be a concern.*

Please let me know if you have any questions or comments.

Thanks,

Spencer Thomas Archer, PE
Senior Engineer

amec

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Rico 517 Graphs 30 October 2012.pdf 121024_BlainePhotos.pdf